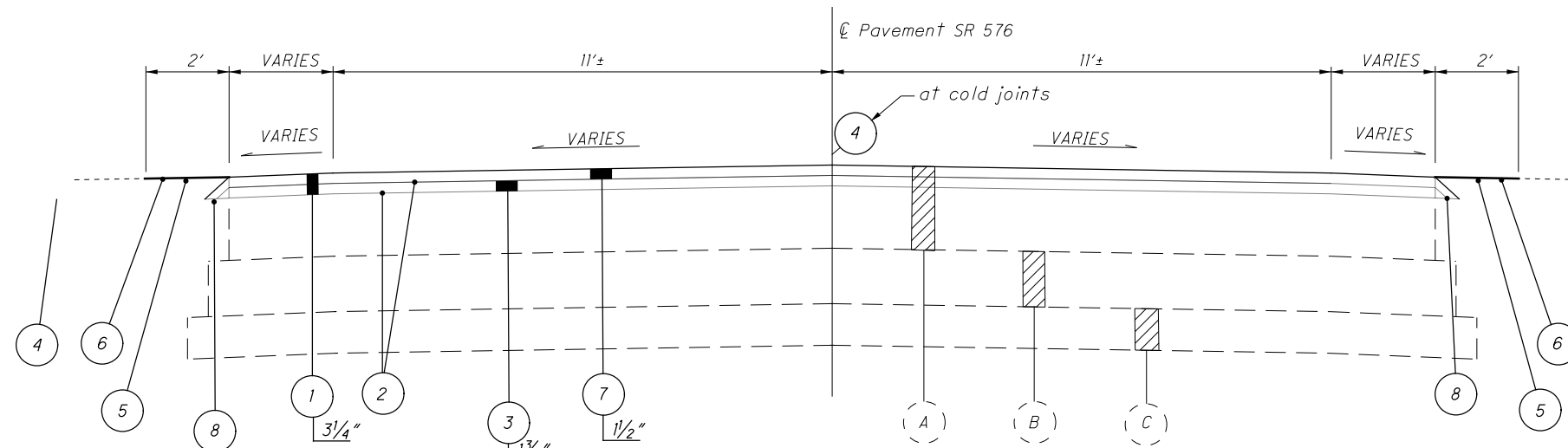
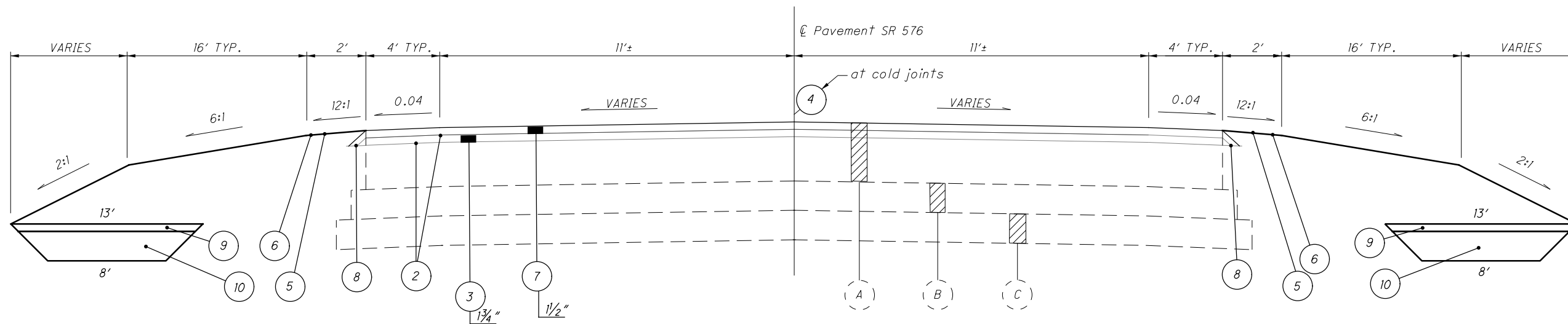


TYPICAL SECTION "A"



Typical Section Applies: Sta. 874+00 to Sta. 936+17 = 6,217 Ft.
 Sta. 938+39 to Sta. 1035+00 = 9,661 Ft.
 Sta. 1041+50 to Sta. 1062+50 = 2,100 Ft.
 Sta. 1063+31 to Sta. 1083+27 = 1,996 Ft.
 = 19,974 Ft.

TYPICAL SECTION "B"

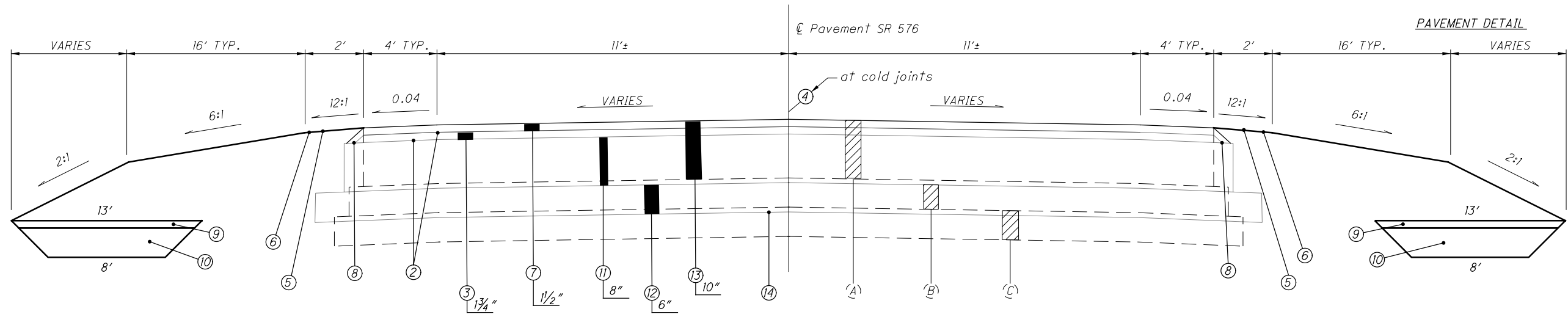


Typical Section Applies: Sta. 1035+00 to Sta. 1038+40 = 340 Ft.
 Sta. 1039+20 to Sta. 1041+50 = 230 Ft.
 = 570 Ft.

LEGEND

- | | |
|---|---|
| <ul style="list-style-type: none"> ① Item 254 - Pavement Planing, Asphalt Concrete (Thickness as Shown) ② Item 407 - Non Tracking Tack Coat ③ Item 441- Asphalt Concrete Intermediate Course, Type 2, (448) (Thickness as Shown) ④ Item 875 - Longitudinal Joint Adhesive ⑤ Item 617 - Compacted Aggregate ⑥ Item 209 - Linear Grading ⑦ Item 441 - Asphalt Concrete Surface Course, Type 1, (446), PG64-22 (Thickness as Shown) | <ul style="list-style-type: none"> ⑧ Item 209 - Preparing Subgrade for Shoulder Paving
Item 441 - Asphalt Concrete - Safety Edge (See General Notes) ⑨ Item 204- Granular Material, Type B (6" Thickness) ⑩ Item 204 - Granular Material, Type D (24" Thickness) (A) Existing Asphalt - 10'± (B) Aggregate Base (C) Subbase |
|---|---|

TYPICAL SECTION "C"



Typical Section Applies: Sta. 1038+40 to Sta. 1039+20 = 80 Ft.

LEGEND

- | | |
|--|-----------------------------|
| ① Item 254 - Pavement Planing, Asphalt Concrete (Thickness as Shown) | (A) Existing Asphalt - 10"± |
| ② Item 407 - Non Tracking Tack Coat | (B) Aggregate Base |
| ③ Item 441- Asphalt Concrete Intermediate Course, Type 2, (448) (Thickness as Shown) | (C) Subbase |
| ④ Item 875 - Longitudinal Joint Adhesive | |
| ⑤ Item 617 - Compacted Aggregate | |
| ⑥ Item 209 - Linear Grading | |
| ⑦ Item 441 - Asphalt Concrete Surface Course, Type 1, (446), PG64-22 (Thickness as Shown) | |
| ⑧ Item 209 - Preparing Subgrade for Shoulder Paving
Item 441 - Asphalt Concrete - Safety Edge (See General Notes) | |
| ⑨ Item 204- Granular Material, Type B (6" Thickness) | |
| ⑩ Item 204 - Granular Material, Type D (24" Thickness) | |
| ⑪ Item 301 - Asphalt Concrete Base PG64-22 (Thickness as Shown) | |
| ⑫ Item 304 - Aggregate Base (Thickness as Shown) | |
| ⑬ Item 202 - Pavement Removed, Asphalt | |
| ⑭ Item 204 - Subgrade Compaction | |

UTILITIES

LISTED BELOW ARE ALL THE UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

FRONTIER NORTH WESTERN ELECTRIC
 300 WEST GYPSY LANE RD P.O. BOX 391
 BOWLING GREEN, OH 43402 BRYAN, OH 43506
 PH: (419) 354-9452 PH: (419) 636-5051

WILLIAMS COUNTY ENGINEER'S
 12953 COUNTY RD "G"
 BRYAN, OHIO 43506
 PH: (419) 636-2454

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

SURVEYING PARAMETERS

USE THE FOLLOWING VERTICAL POSITIONING AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88 (ODOT VRS DERIVED)
 GEOID: 2012A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
 ELLIPSOID: GRS80
 MAP PROJECTION: LAMBERT CONFORMAL CONIC
 COORDINATE SYSTEM: OHIO STATE PLANE NORTH
 COMBINED SCALE FACTOR: GRID=1.0000000

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROFILE AND ALIGNMENT

THE WORK PROPOSED BY THIS PROJECT IS FOR THE RESURFACING OF THE EXISTING PAVEMENT. THE ALIGNMENT OF THE EXISTING PAVEMENT WILL NOT BE CHANGED AND THE PROFILE OF THE PROPOSED SURFACE WILL BE SIMILAR TO THAT OF THE EXISTING PAVEMENT.

PLANED SURFACES

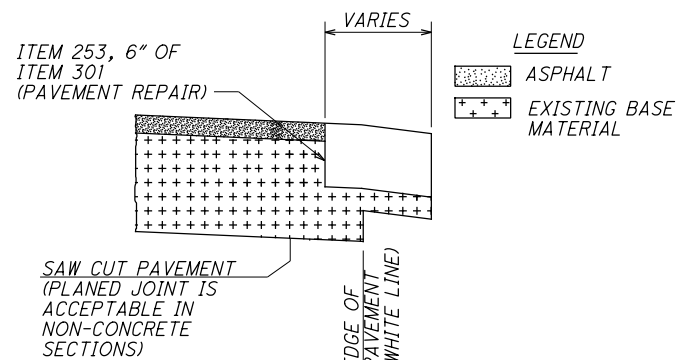
NO PLANED SURFACES SHALL BE OPEN TO THE PUBLIC FOR MORE THAN 7 DAYS. IF THE PLANED SURFACE IS OPEN FOR MORE THAN 7 DAYS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THE PAVEMENT FAILURES THAT OCCURRED AFTER THE 7 DAY LIMIT.

PAVEMENT REPAIRS

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR PAVEMENT REPAIR ON US 6 AND AS DIRECTED BY THE ENGINEER AND ARE BASED ON THE PERCENTAGES SHOWN:

SR 576 SLM 16.55 - 20.52 @ 10%
 STA. 874+00 TO STA. 1083+27 = 20,927'*22'*0.5=230,197CF
 230,197CF/27=8,526CY @ 10% = 853CY

ITEM 253 - PAVEMENT REPAIR 6" 853 CY



NOTE: THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.

THE PAVEMENT REPAIRS SHALL BE DONE AFTER PAVEMENT PLANING.

ASPHALT CONCRETE - SAFETY EDGE

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR THE CONSTRUCTION OF THE SAFETY EDGE. SEE SCD BP-3.2.

WIL SR 576 (16.55-20.52) STA. 874+00 TO STA. 1083+27 (MINUS LOCATIONS FOR GUARDRAIL)

ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING

8 MILE

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

71 CY

ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)

29 CY

QUANTITIES TO BE USED FOR THE SAFETY EDGE HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

TRAFFIC CONTROL QUANTITIES

PAVEMENT MARKINGS

THE CONTRACTOR WILL BE PROVIDED THE "NO PASSING ZONE LOG" FOR THE CENTER LINE PAVEMENT MARKING UPON REQUEST.

THE FOLLOWING ARE FOR INFORMATION ONLY:

YELLOW CENTER LINE
 DASHED SOLID 2 MILE
 DOUBLE SOLID 2 MILE

RAISED PAVEMENT MARKERS
 TWO WAY YELLOW/YELLOW 293 EACH

ITEM	QTY	UNIT	DESCRIPTION
621	293	EACH	RPM
621	293	EACH	RAISED PAVEMENT MARKER REMOVED
642	7.94	MILE	EDGE LINE, 6"
642	3.97	MILE	CENTER LINE
644	30	FT	STOP LINE

ALL TRAFFIC CONTROL QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

MISCELLANEOUS ITEMS FOR GUARDRAIL

THE FOLLOWING ITEMS ARE TO BE USED AS DIRECTED BY THE ENGINEER. THE ESTIMATED QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY AND ARE TO BE USED FOR PROPOSED GUARDRAIL RUNS:

ITEM 203	10	CY	EMBANKMENT
ITEM 601	5	CY	CRUSHED AGGREGATE
ITEM 659	195	SY	SLOPE PROTECTION
ITEM 659	0.03	TON	SEEDING AND MULCHING
ITEM 659	1	MGAL	FERTILIZER
			WATER

EMBANKMENT SHALL BE USED TO OBTAIN A GRADED SLOPE OF 10:1 OR FLATTER THROUGHOUT THE GUARDRAIL RUN UP TO FACE OF GUARDRAIL.

CRUSHED AGGREGATE SLOPE PROTECTION SHALL BE USED IN AREAS OF OBVIOUS EROSION TO GRADED SHOULDER.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 606 GUARDRAIL, TYPE MGS WITH LONG POSTS, AS PER PLAN

THIS ITEM 606 SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO REPLACE EXISTING GUARDRAIL USING STEEL POSTS, AS DIRECTED BY THE ENGINEER. THE GUARDRAIL POSTS SHALL CONFORM TO ITEM 606 AND 710.15 OF THE CMS.

PAVEMENT RESTORATION FOR CONCRETE CROSSOVER REMOVALS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING REMOVAL OF CONCRETE PAVEMENT OVER NEWLY INSTALLED CROSSOVER PIPES.

ITEM 301 ASPHALT CONCRETE BASE, PG64-22 10 CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF 10 INCHES AND A PAVEMENT RESTORATION WIDTH OF FIVE FEET AT EACH CONCRETE PAVEMENT AREA.

ITEM 203 EXCAVATION, AS PER PLAN

THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO REMOVE OR DRIVE BELOW SUBGRADE ANY EXISTING GUARDRAIL POSTS SAWED OFF AT GROUND LEVEL THAT CONFLICTS WITH THE PROPOSED SHOULDER WIDENING. THE DECISION TO REMOVE OR DRIVE BELOW SUBGRADE SHALL BE AT THE DISCRETION OF THE PROJECT ENGINEER.

CALCULATED
 MJF
 CHECKED
 DAR

GENERAL NOTES

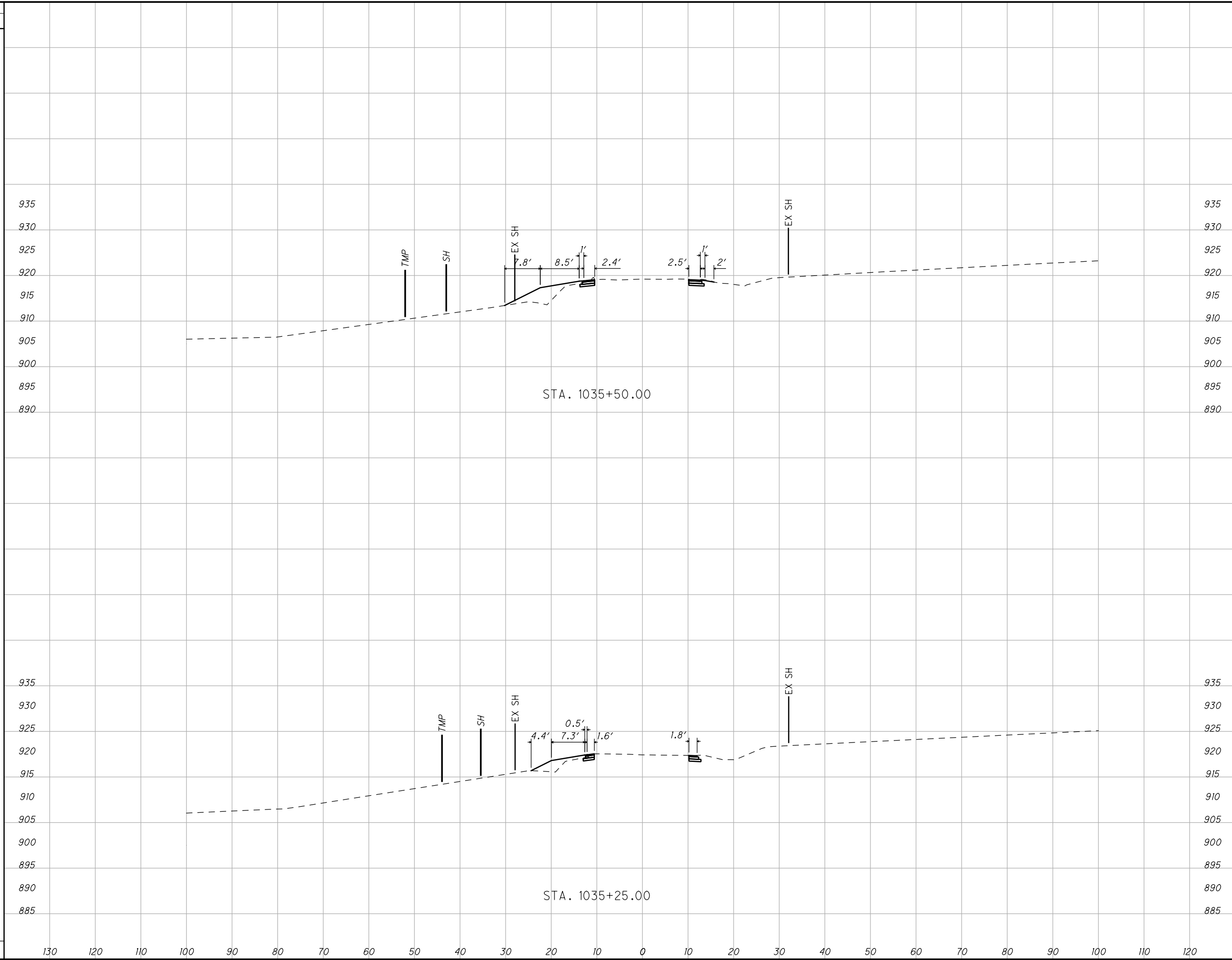
WIL - 576 - 16.55

I:\ProjectData\WIL\99575\WIL_576_16.55\Design\Roadway\Sheets\99575_GN001.dgn 13-APR-2021 3:42PM mforkas

I:\ProjectData\WIL\99575_WIL_576_16.55_Design\Roadway\Sheets\99575_XS005.dgn 01-APR-2021 11:44AM mforakas

SEEDING

END WIDTH	SO. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
MJF	DAR

CROSS SECTIONS S.R. 576
STA. 1035+25.00 TO STA. 1035+50.00

WIL-576-16.55

19
40

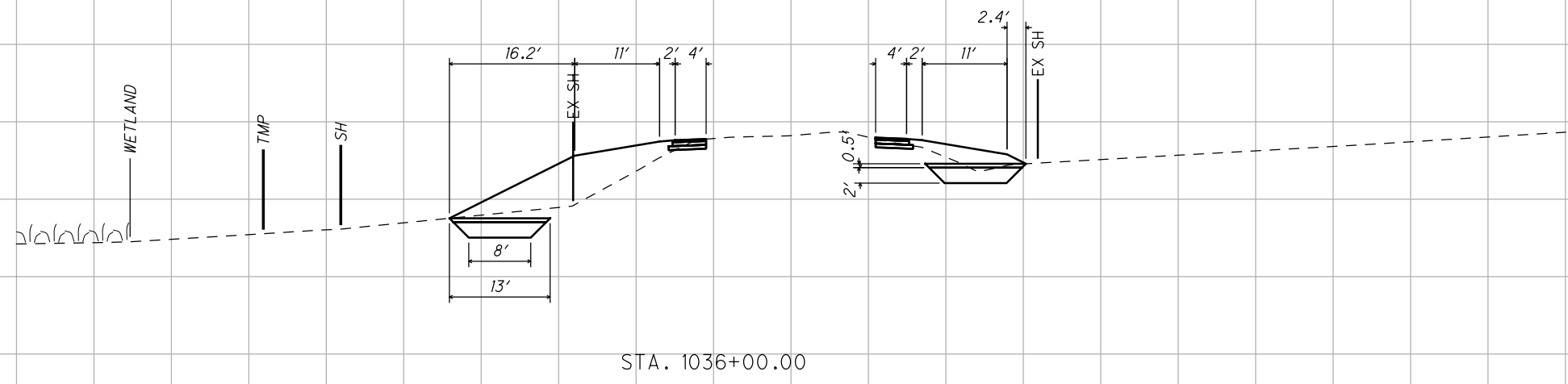
I:\ProjectData\WIL\99575_WIL_576_16.55_Design\Roadway\Sheets\99575_XS006.dgn 01-APR-2021 11:55AM mforakas

SEEDING
END SO.
WIDTH YDS.

END AREA		VOLUME		CALCULATED MJF	CHECKED DAR
CUT	FILL	CUT	FILL		

935
930
925
920
915
910
905
900
895
890
885

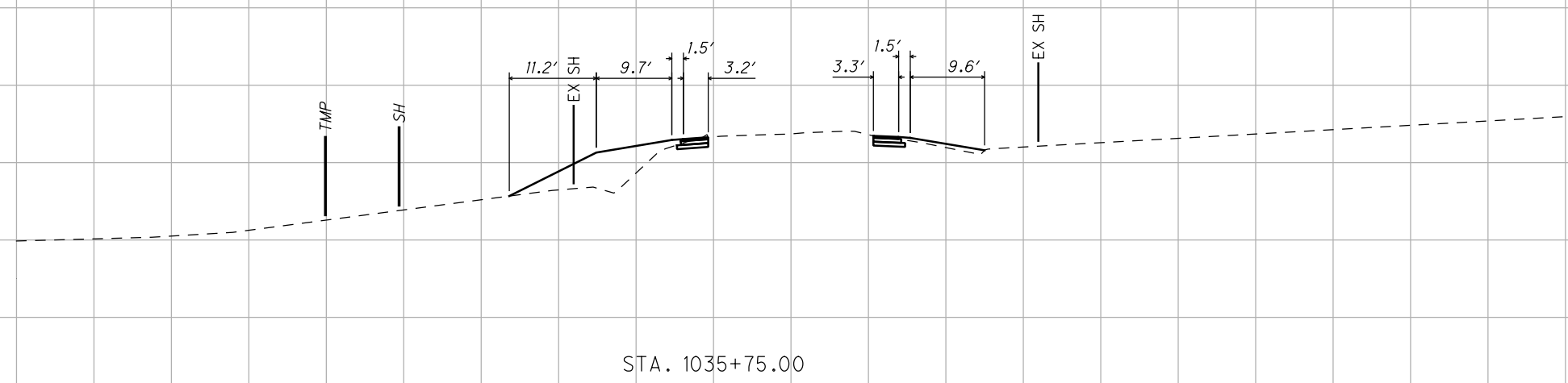
935
930
925
920
915
910
905
900
895
890
885



123

935
930
925
920
915
910
905
900
895
890
885

935
930
925
920
915
910
905
900
895
890
885



64

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

187

130

20
40

WIL-576-16.55

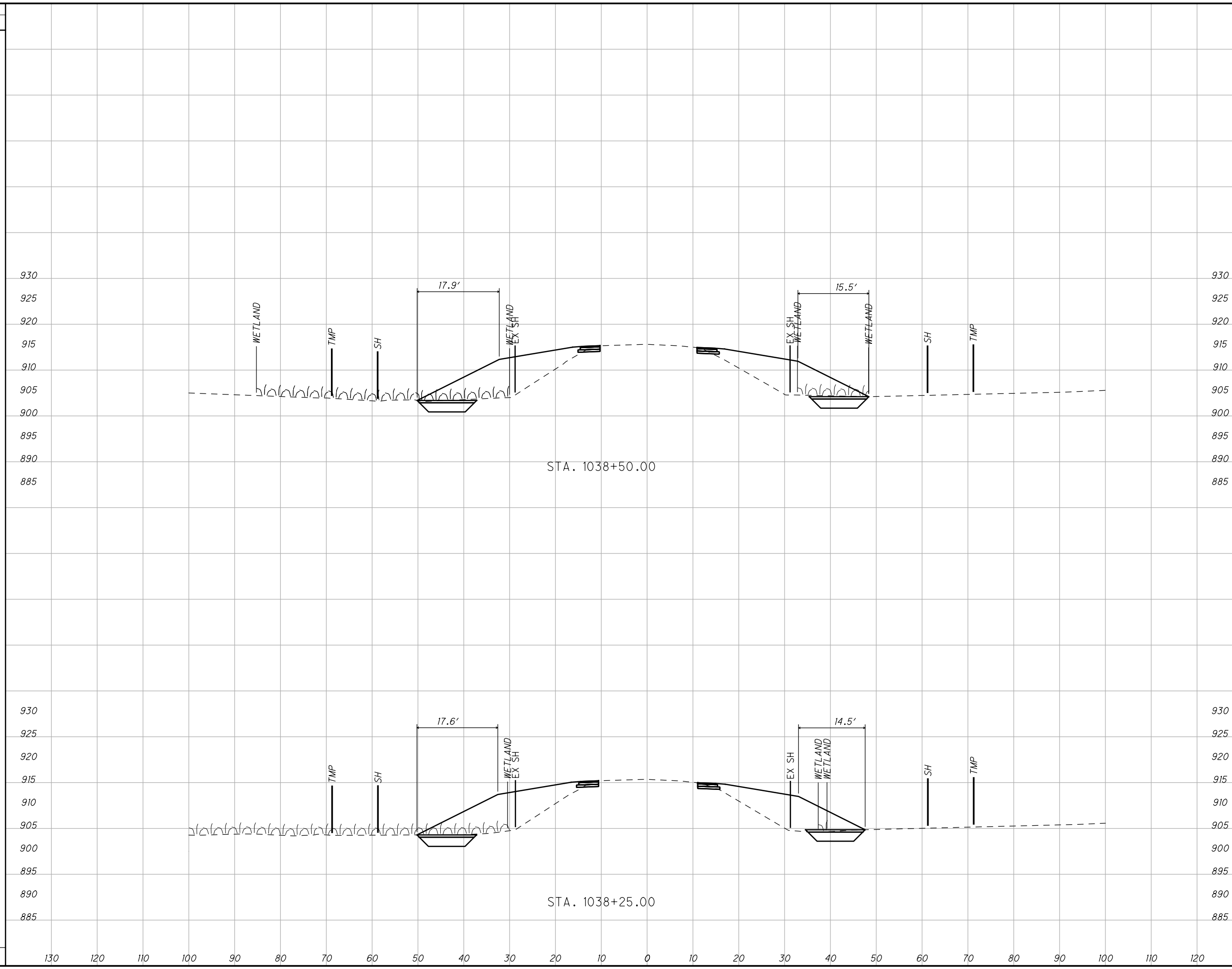
CROSS SECTIONS S.R. 576
STA. 1035+75.00 TO STA. 1036+00.00

87

43

I:\ProjectData\WIL\99575_WIL_576_16.55_Design\Roadway\Sheets\99575_XS01.dgn 01-APR-2021 11:17AM mforkas

SEEDING
END SO.
WIDTH YDS.

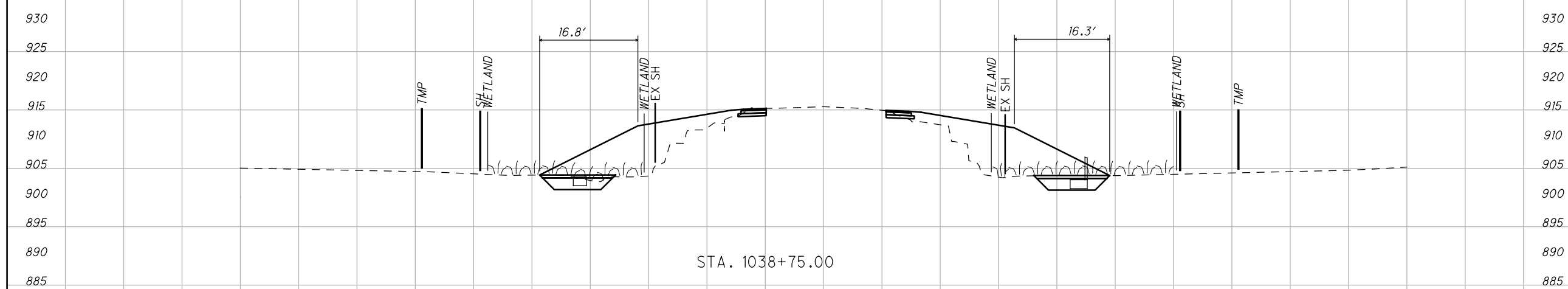
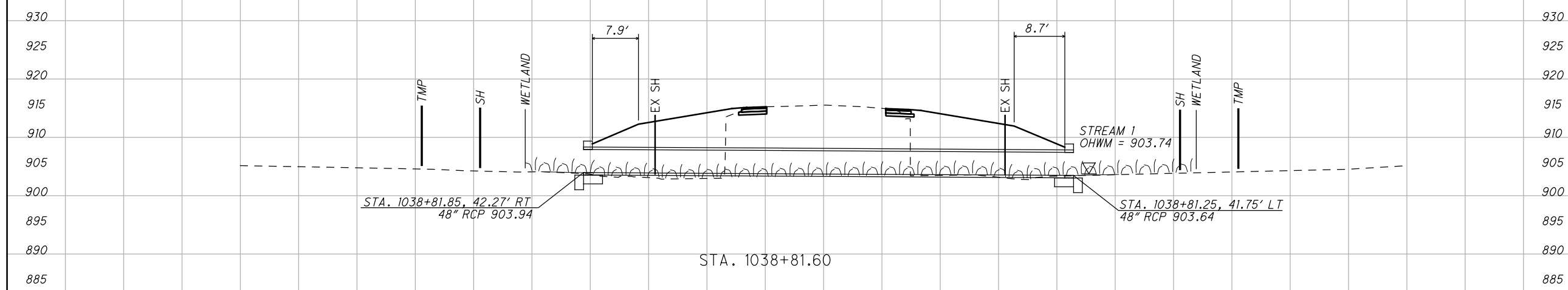


END AREA		VOLUME		CALCULATED MJF	CHECKED DAR
CUT	FILL	CUT	FILL		
639	323	582	296		
WIL - 576 - 16.55 CROSS SECTIONS S.R. 576 STA. 1038+25.00 TO STA. 1038+50.00					
25 40					

I:\ProjectData\WIL\99575_WIL_576_16.55_Design\Roadway\Sheets\99575_XS02.dgn 01-APR-2021 11:18AM mfar-kas

SEEDING
END SO.
WIDTH YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	MJF	DAR



930
925
920
915
910
905
900
895
890
885

930
925
920
915
910
905
900
895
890
885

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

930
925
920
915
910
905
900
895
890
885

930
925
920
915
910
905
900
895
890
885

514 526

216

238

288

CROSS SECTIONS S.R. 576
STA. 1038+75.00 TO STA. 1038+81.60

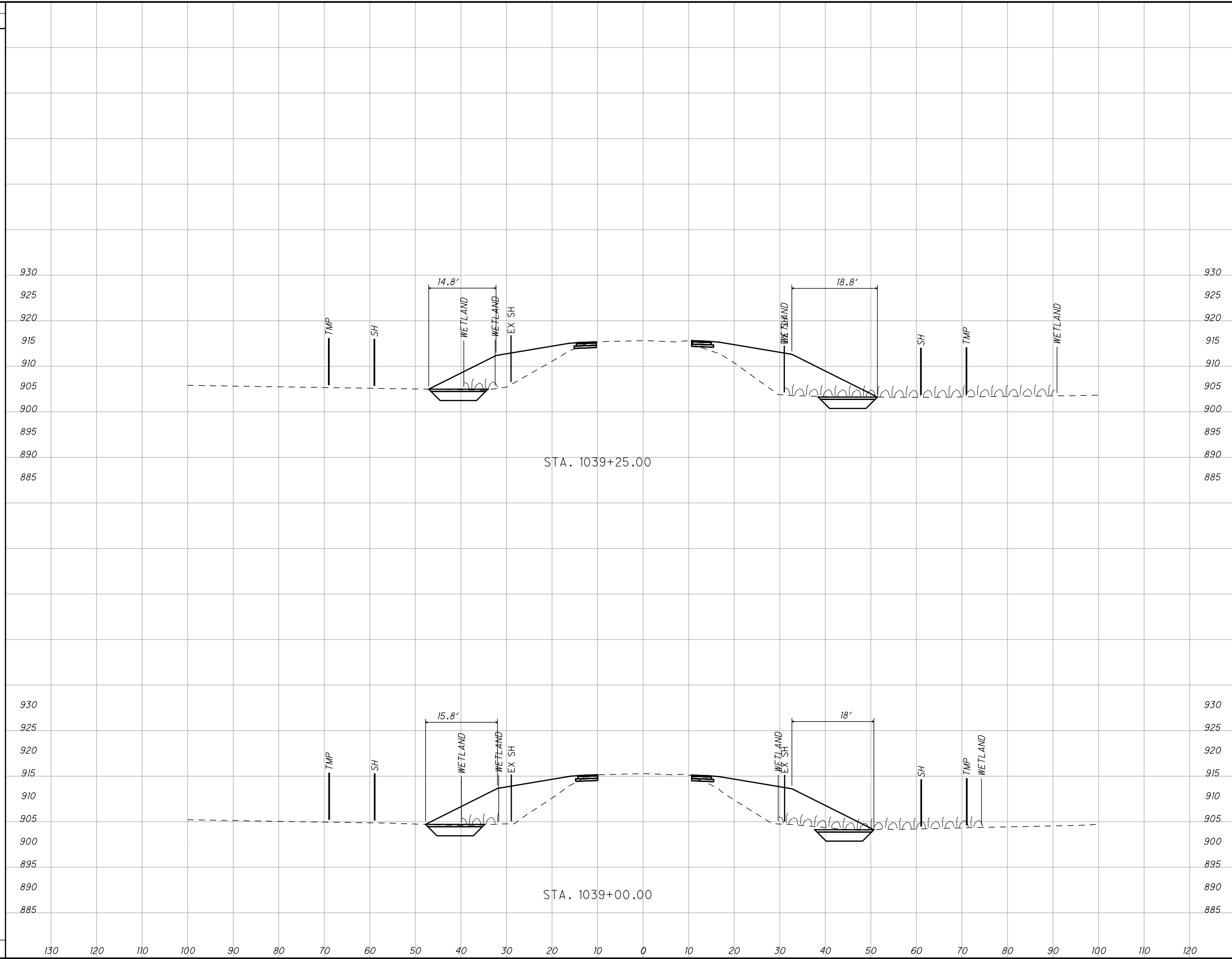
WIL-576-16.55

26
40

I:\ProjectData\WIL\99575_WIL_576_16.55_Design\Roadway\Sheets\99575_XS013.dgn 01-APR-2021 11:18AM mfar-kas

SEEDING

END WIDTH	SO. YDS.
130	
120	
110	
100	
90	
80	
70	
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	
70	
80	
90	
100	
110	
120	



END AREA		VOLUME		CALCULATED			
CUT	FILL	CUT	FILL	MJF	DAR		
666		330					
564		308					
CROSS SECTIONS S.R. 576							
STA. 1039+00.00 TO STA. 1039+25.00							
WIL-576-16.55							
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">27</td> </tr> <tr> <td style="text-align: center;">40</td> </tr> </table>						27	40
27							
40							

